



Part No.DOC. IRL 014 Rev.01 December 2009

## Plume Diverter Kit Fitting Instructions

Suitable for use on Condensing boilers only fitted with a Grant Low Level balanced flue Systems EZ90, EZ200 or on Condensing Module fitted with a low level discharge flue.

**IMPORTANT: These fitting Instructions should be used in conjunction with those supplied with the balanced flue kit and/or boiler.**

### INTRODUCTION

The Grant Plume Diverter Kit is available in two sizes for use with the corresponding Grant Low Level (Yellow System) balanced flue kit, as follows:

80mm Plume diverter kit (GPDA90) – use with Condensing boilers fitted with an EZ90 low level balanced flue or the following Outdoor Modules, Euroflame Condensing 50-70, 70-90 & 90-120. Vortex 50-70, & 50-90, Outdoor Combi 26  
100mm Plume diverter kit (GPDA200) – use with Condensing boilers fitted with an EZ200 low level balanced flue or the following Outdoor Modules, Vortex 90-120, 120-155, 155-200 & 200-240. Outdoor Vortex Combi 36

### KIT CONTENTS

The Plume diverter kits each comprise the following items (refer to Figure 1):

- 1 x Starter Elbow c/w internal seal
- 1 x Terminal Elbow c/w external seal
- 1 x Pair of Telescopic flue tube 1000mm long each, one c/w external seals
- 2 x Adjustable Wall Bracket
- 2 x Locking Bands
- 1 x Locking band –telescopic joint
- 2 x self tapping screws (for securing starter elbow to low level terminal)
- Lubricant for seals
- Instruction sheet

### FITTING PROCEDURE

Refer to Figure 1, 2, 3 & 4 for details

1. For a new installation: Fit the Low level flue system as per the instructions supplied with the flue system kit/ boiler, but do NOT fit the terminal guard provided.  
For an existing installation: Remove the terminal guard.
2. On the Outdoor module the terminal may need to be rotated 180° so the plume kit can be mounted closer to the wall (see figure 2).
3. Drill a pilot hole followed by an 8mm hole in the side of the existing flue terminal (as shown in figure 3) to ensure the condensate drains back into boiler.
4. Lubricate the seal on the Starter Elbow, fit on to the low level terminal and position with the outlet of the elbow pointing vertically upwards. Using a 3mm drill, spot drill the terminal through the two holes in the starter elbow. Secure the elbow to the terminal using the two self tapping screws provided.
5. Lubricate the doubleseals of the upper telescopic Flue Pipe (using the silicone grease supplied in the kit), fit the two telescopic tubes together to the required length and clamp using the clamp band suitable for a telescopic joint.
6. Lubricate the seal of the lower telescopic Flue Pipe (using the silicone grease supplied in the kit) and fit the pipe into the open end of the Starter Elbow.
7. Check pipe is vertical and secure to the wall using the Adjustable Wall Bracket supplied. Note: it may be necessary to cut the horizontal section of the fixing bracket to suit.
8. Lubricate the seal of the Terminal Elbow (using the silicone grease supplied in the kit) and fit into the open end of the vertical flue pipe. Position outlet of terminal to point away from the wall.
9. Fit the standard Clamp Bands provided at each end of the vertical flue pipe section.

**IMPORTANT:** Ensure that the location of the Plume Diverter Terminal complies with the requirements for flue terminal positions – refer to instructions supplied with either the Low Level flue kit or the boiler.

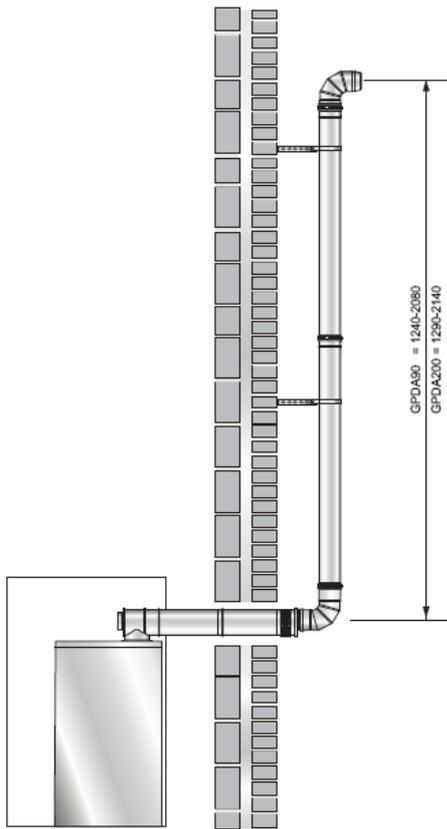


Figure 1.  
Plume kit fitted to Indoor Boiler

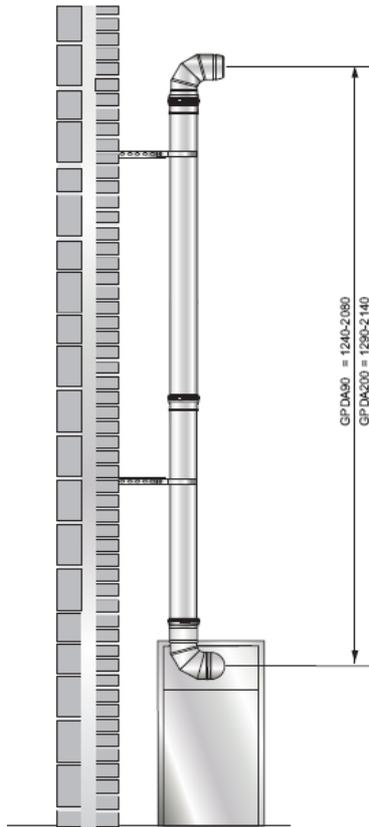


Figure 2.  
Plume kit fitted to Module boiler

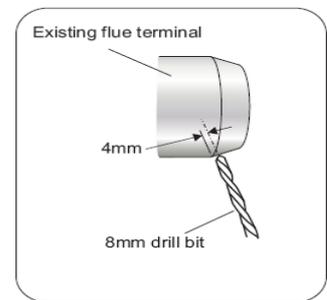


Figure 3.  
Drain hole

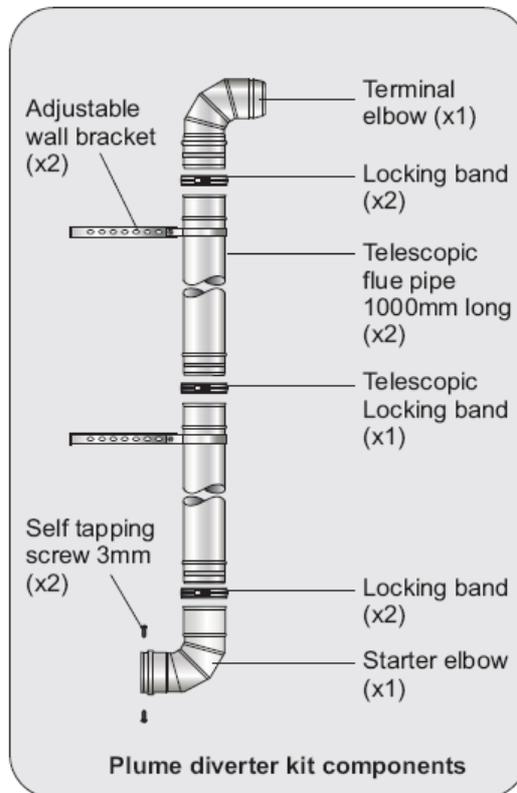


Figure 4.